C.CRANE

800-522-8863 • ccrane.com

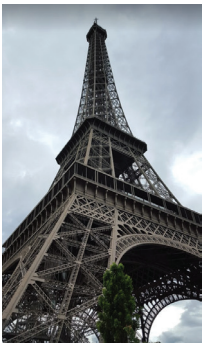
Annual Catalog 2021

Imagination is the only weapon in the war against reality.

-Lewis Carroll

From Bob,

We probably all have an affinity to hearing voices on the radio. This is because live audio and music was the only source of communication for the approximately 450,000 generations before us. The writing skill has only been with us for about 17,000 generations. Radio, (or a modern equivalent), opens our imagination, teaches us, entertains us and gives us a sense of community without the risk of catching a virus.



Eiffel Tower On the Cover?

The Eiffel Tower was scheduled for destruction 20 years after it was built but Eiffel convinced the French army to conduct radio experiments. Very early in WWI a wireless message was picked up detailing how a German unit was advancing on Paris from Marne. The French army used every taxi in Paris to carry 5000 troops to Marne and won the battle. Radio is still a life saver and....yes, radio saved the Eiffel Tower!

The Last Mile of the Internet

Since our inception C. Crane has always helped with reception. Perhaps you have a garage, greenhouse or guesthouse within ½ mile (must be line of sight with no obstructions) that does not have Internet. Check out our Extended Long Range Vector WiFi System on page 20 or *ccrane.com/booster* and save the monthly cost of a new Internet service.

News

I am having the time of my life working on challenges that keep me highly inspired thanks to Jessica Crotty and our amazing C. Crane crew. She has been with C. Crane for over 25 years and is handling the day to day operations which allows me, along with our engineers, to focus almost entirely on new inventions. We have eight projects that should be finished over the next few years. If you are interested in being the first to know about them, please be sure to sign up at the bottom of the *ccrane.com* home page.

NEW RADIO!

Introducing The New **CCRadio Solar**

From Bob: I brought the first CCRadio Solar home and my wife absconded with it until our designer/illustrator had to beg to get it back for documentation. To get it back from him was also overly arduous. I have never seen a radio so coveted. It is about hand size and it stays charged in a sunny window with an oversize solar panel which means it may not need a power assist for years.

Audio is a surprise, it's accurate, pleasing and it has a miser setting to conserve battery power in an emergency. The hand crank on the back is the only clue that it's an emergency radio. Reception is "C. Crane" good for the size. The unique UV resistant rubber perimeter is concave on the bottom which makes it inherently stable.

Features: Five memories per band, AM, FM, and WX with NOAA Weather with Alert, lighted dial, Micro USB input charging port, USB out port (for phone charging), line in and headphone jack. It also runs on (3) AA optional batteries or **included Lithium-ion battery.**

Weight 1.1 lbs.

Size: 6" x 3" x 2.25".

Item # CCRS Radio **$99.99**

⚠ **WARNING:** Cancer and Reproductive Harm. www.P65Warnings.ca.gov

CC SKYWAVE™ SSB

With AM, FM, Shortwave, NOAA Weather + Alert, Scannable VHF Aviation Band and Single Side Band

One of the smallest multiband radios with Single Side Band. The Skywave SSB makes a good travel and emergency radio with its extensive and accurate band coverage.

Single Side Band is a reliable way to get long range information, including FEMA after an earthquake or hurricane, when normal communications such as internet, phone or satellite are down. Single Side Band is not available on your smartphone which makes it the ultimate off the grid backup communication format. It also covers civilian aviation VHF. Ten aviation memories can continuously be scanned for activity. **Included is a portable CC Shortwave Reel Antenna, high-quality *original* CC Buds and a faux leather carry case.**

Features: Rotary volume dial, stereo headphone jack, clock, alarm, 400 memory presets, adjustable squelch and lighted LCD display. Runs on (2) “AA” batteries (not included) for approximately 60 hours or 70 hours on earbuds. An optional 5V AC Adapter with mini USB tip (not included). It has a simple timed battery charger for optional “AA” NiMH rechargeable batteries.

Weight: 6.0 oz. (without optional batteries).
Size: 4.75” W x 3” H x 1.1” D.

U.S. Patent #D 863,251 S

Item # SSB Radio **$169.99**
Item # SSBP AC Adapter **$14.99**

More information about Single Side Band at: *ccrane.com/ssb*

Tip for SSB: Daytime Listening: During the daytime most activity will normally be on the higher frequencies like 10-30MHz (30, 20, 17, 15, 12 and 10 meter ham bands). The exception is that you will often hear stations within 600 miles or so on 40 meters (7-7.300MHz) in the daytime, especially on weekends and holidays when more hams are on the air.

⚠ **WARNING:** Cancer and Reproductive Harm. www.P65Warnings.ca.gov

CCRadio 3

Great for Streaming Audio

Like its predecessor, the CCRadio 3 has exceptional long-range reception of AM/FM stations along with NOAA weather and 2-Meter Ham Band emergency capabilities. With the addition of Bluetooth®, the CCRadio 3 can receive an immense variety of radio shows from any smart speaker that pairs with Bluetooth®. When listening to a streaming show via Bluetooth®, you can use your smart speaker app to switch stations . . . silently.

The audio of the CCRadio 3 sounds like the radio host is sitting next to you. Separate bass and treble knobs can be adjusted to your preferred pitch. If you listen primarily to voice content, the CCRadio 3's audio is arguably worth the price alone. We have reorganized a few buttons so you can now toggle between AM and FM bands easily.

Features: Clock, alarm, sleep timer, 5 one-touch memory presets per band, Bluetooth receiver, line in/out jacks, stereo headphone jack, 1 and 10 kHz tuning, external AM antenna screw type balun terminals and NOAA weather alert. Runs on **included AC power cord** or (4) "D" batteries (not included). Runs approximately 250 hours at moderate volume level with the display light off. Available in Black Mica color only.

Weight: 4 lbs. (without optional batteries).

Size: 11" W x 6.5" H x 4" D.

Item # CC3B Radio **$199.99**
Item # CA3 CCRadio 2E / CCRadio 3 Carry Case **$39.99**
Item # TWIN AM Antenna **$119.99 (See page 13)**.

⚠ **WARNING:** Cancer and Reproductive Harm. www.P65Warnings.ca.gov

CC SKYWAVE™

With AM, FM, Shortwave, NOAA Weather + Alert and the VHF Aviation Band

The CC Skywave can help you discover local culture when traveling to a new city or country. It covers all the AM/FM and Shortwave bands worldwide. The reception, audio and durable build are what this radio excels at. The Skywave has an intuitive layout so it's easy to use. Incoming radio signals can be manipulated to reduce interference.

When your flights are delayed it can be imperative to find out what's going on. The Aviation Band lets you listen in on nearby pilots, air traffic controllers and ground crew. English is the standard language used in aviation worldwide.

Included are the high-quality *original* CC Buds for your listening pleasure, a carry case and hand lanyard for walking.

Features: Rotary volume dial, voice/music tone control, stereo headphone jack, clock, alarm, sleep timer, 400 memory presets and fold-out back stand. Runs on (2) "AA" batteries (not included) for approximately 70 hours or optional 5V AC Adapter with mini USB tip (not included). It has a simple timed battery charger for optional "AA" NiMH rechargeable batteries.

Weight: 6.0 oz. (without optional batteries).

Size: 4.75" W x 3" H x 1.1" D.

Item # SKWV Radio **$89.99**
Item # SKWVP AC Adapter (optional) **$14.99**
Item # CCSWA SW Reel Antenna **$14.99**

⚠ **WARNING:** Cancer and Reproductive Harm. www.P65Warnings.ca.gov

CCRadio-EP PRO

High Performance AM/FM Portable Analog Radio Built for Simplicity

The portable CCRadio-EP PRO could be considered a super radio. It's built for ease of use and outstanding long-range AM with our C. Crane patented Twin Coil Ferrite® AM Antenna. The dial accuracy and frequency stability of the EP PRO is superior to our original EP model. A new tuning light lets you know when you are exactly on the station.

The EP PRO has separate bass and treble adjustment for accurate and lively voice reproduction. A large, 5-inch speaker is combined with a hi-fidelity amplifier. AM programs can be adjusted to sound similar to FM because of a "Wide/Narrow" enhancement switch and the fine-tuning control of the Twin Coil Ferrite Antenna. FM reception is excellent with full rich audio.

Features: Lighted tuning dial, flip up carry handle, line in, 9 and 10 kHz tuning switch, FM mono/stereo switch, line in jack and stereo headphone jack. External antenna connections included, spring clips for AM and "F" connector for FM. Runs on **included 6V AC adapter** or (4) "D" batteries (not included). Runs for approximately 175 hours on a fresh set of alkaline batteries at moderate volume with the display light off.

Weight: 4.5 lbs. (without optional batteries).

Size: 11.4" W x 7.3" H x 2.75" D.

Item # CEPRO Radio **$89.99**

⚠ **WARNING:** Cancer and Reproductive Harm. www.P65Warnings.ca.gov

RIGHT SIDE

CC POCKET

With AM, FM and NOAA Weather + Alert

We combined ease of use, good reception and sharp well-defined audio together in this little jewel of a radio. You can listen from the built-in speaker or the **included high-quality *original* CC Buds** tuned for superior voice clarity and music.

It has five one-touch memory “car radio” type buttons for each band and stands upright when needed. Rubber coated sides help with grip. Lock switch to prevent accidental on/off or station changes.

Features:

- Display light, sleep timer, clock and alarm, belt clip, stereo headphone jack
- FM stereo or mono switch and reception indicator
- NOAA Weather with Alert (disables AM/FM radio while activated)
- 30” FM antenna wire included
- 1, 9 & 10 kHz tuning steps

Runs 80 hours on (2) “AA” batteries (not included) and 100 hours with earbuds.

U.S. Patent #D 719,130 S

Weight: 3.8 oz. (without batteries).

Size: 2.5” W x 4.25” H x 1” D. One-year limited warranty.

CC BUDS

Item # CCPKT Radio **$64.99**

Please see website for CC Pocket Accessories: *ccrane.com/ccpkt_accessories*

⚠ **WARNING:** Cancer and Reproductive Harm. www.P65Warnings.ca.gov

CC SOLAR OBSERVER

AM/FM NOAA Weather Solar Windup Emergency Radio with Built-in LED Flashlight

The CC Solar Observer is a simple, affordable and efficient radio with enhanced reception and audio performance. It can be powered in four different ways and in a pinch can charge many different USB type devices including cell phones.

“Our emergency radio was born in 1992 when we experienced three large earthquakes in Northern California. All services were overloaded, and electricity was browned out. We vowed to make a good emergency radio so that we would never be in this situation again”. *Bob Crane*

The radio can be powered by wind-up, solar panel, (3) “AA” alkaline batteries (not included), or optional AC power adapter (not included). Runs for approximately 60 hours on a fresh set of alkaline batteries at moderate volume. **Rechargeable and replaceable battery pack and USB port adapter for phone charging are included.**

Features: Lighted display, carry handle and stereo headphone jack.

Weight: 1.5 lbs. (without optional batteries).

Size: 7.25” W x 5.5” H x 2” D.

Item # COBS Radio **$59.99**
Item # OBA AC Adapter (optional) **$14.99**
Please see website for emergency accessories: *ccrane.com/emergency*

⚠ **WARNING:** Cancer and Reproductive Harm. www.P65Warnings.ca.gov

Available in Titanium Color

CCRadio 2E

Portable Clock Radio with Long-Range AM/FM NOAA Weather + Alert and 2-Meter Ham Band

The purpose of the CCRadio 2E is to make weak signals strong and to produce accurate audio for the spoken word. AM performance comes from our patented Twin Coil Ferrite® AM Antenna. Traditional FM reception is exceptional in its ability to bring in a weak station clearly. The audio of this enhanced version can be adjusted for an accurate warm voice rendition, along with good musical performance.

This radio also has the NOAA Weather Band and Alert along with the 2-Meter Ham Band. More information about the 2-Meter Ham Band can be found at: *ccrane.com/2-meter.*

Features: Clock, alarm, sleep timer, 5 one-touch memory presets per band, line in/out jacks, stereo headphone jack, 1 and 10 kHz tuning, external AM antenna screw type balun terminals and NOAA weather alert. Runs on **included AC power cord** or 4 “D” batteries (not included). Runs approximately 250 hours at moderate volume level with the display light off.

Weight: 4 lbs. (without optional batteries).

Size: 11” W x 6.5” H x 4” D.

Item # CC2BE Black Mica color **$169.99**
Item # CC2TE Titanium color **$169.99**
Item # CA3 CCRadio 2E / CCRadio 3 Carry Case **$39.99**

⚠ **WARNING:** Cancer and Reproductive Harm. www.P65Warnings.ca.gov

gracedigital Mondo Elite – WiFi Internet Radio

Memorize your favorite 10 stations and have instant access across platforms from iHeartRadio®, NPR®, Radio.com®, SHOUTcast®, BBC, Amazon Music (Prime and Unlimited) and more! Works with SiriusXM if you have a subscription (sold separately by SiriusXM)! Podcasts are available and it is possible to add your own. When purchased from C. Crane it comes with C. Crane's U.S. based technical support. Access to over 100,000 internet radio stations through built-in apps.

Features: Bluetooth®, Chromecast, USB input, UPnP, clock, 5 alarms, sleep and snooze timers. Large 3.5" full color display with backlight. Full size infrared remote. Stereo headphone jack and line out jacks. Smartphone powerbank. Runs on AC adapter (included).

Weight: 2.5 lbs. Size: 10.1" W x 6.1" H x 4.25" D.

Portable Use Option: Rechargeable Lithium-ion battery pack. Allows up to 6 - 8 hours of listening on a full charge at moderate volume.

Item # GME Mondo Elite **$179.99**
Item # GMEB Battery $39.99 (Portable Use Option)
Item #GMEE Ethernet adapter $19.99

FM TRANSMITTER 2

Use the attached cable to connect to a headphone jack on your smart speaker, phone or television to send near-broadcast quality audio to any nearby radio or stereo system, or to host a parking lot church service or a driveway socially distanced concert.
ccrane.com/fmtransmitter

Maximum distance of about 45 feet line of sight with no obstructions. Broadcast distance will vary depending on your location (for more information, Google: *ccrane fm transmitter-2*). Choose any unused FM frequency between 88.3 MHz and 107.7 MHz.

Runs on two (optional) "AA" batteries (for portable use). **AC adapter, 6" dual RCA plugs to 1/8" stereo jack patch cord (included).**

Pat. #US D483,024S.

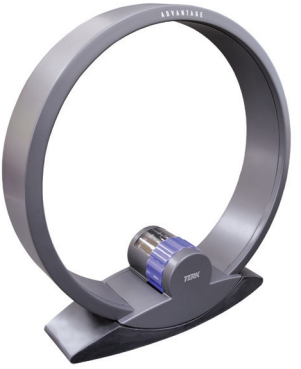
Weight: 5.8 oz. (without optional batteries).
Size 3" W x 3.5" H x 1" D.

Use it with Echo Dot®

Item # FM2 Transmitter 2 **$69.99**

⚠ **WARNING:** Cancer and Reproductive Harm. www.P65Warnings.ca.gov

TERK Indoor AM Antenna



Loop antennas have been used for 100 years and work extraordinarily well with any portable AM radio. No power is needed. You fine tune it by ear.

You set the TERK antenna near your AM radio (through a process called inductive coupling). It takes a few minutes to find the sweet spot for best performance (see drawing below). It increases signal strength significantly, but it will likely not help with static type noise.

The TERK comes with a 6.5' wire with twin leads so you can connect it directly to your stereo or radio.

It easily outperforms any of the smaller untuned antennas normally included with a home stereo system.

AM Tip: If the problem is noise, try the radio on batteries and move around your home to see if you can find the source of the static or buzzing. For more detailed AM reception tips please visit: *ccrane.com/radionoise*

Size: 9.25" H.

Item # TR1 Antenna **$49.99**

FM Reflect-2 Dipole Antenna

The new FM Reflect-2 is a modern solution to a standard long-standing dipole antenna design. It performs just as well, if not better, plus its appearance is a marked improvement. With its increased flexibility and simple installation, the FM Reflect-2 can be easily and neatly shaped into various positions for the best FM reception. Small holes are located at the mounting points so push pins or small nails are all you need for mounting.

It comes with multiple adapters that work with the vast majority of stereo receivers and other radios. We included a standard male "F" coaxial connector for stereo receivers, plus a 3.5 mono plug adapter for some popular tabletop receivers. For the experimenter with a portable radio, there is an "F" female wire terminal connector (spade) and an alligator clip for attachment to a telescopic antenna.

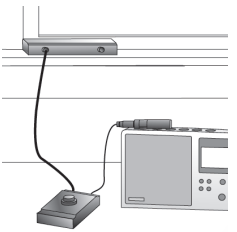
Size: 55.2" element with a 99" feed line.

Item # FMR2 Dipole Antenna **$14.99**

⚠ **WARNING:** Cancer and Reproductive Harm. www.P65Warnings.ca.gov

Twin Coil Ferrite® AM Antenna Signal Booster

Capture AM like Never Before



The Twin Coil Ferrite® AM Antenna is ideal for improving most AM radio reception problems. The antenna will reduce 90% of nighttime fade out and help reduce static and distortion. It can double the audio clarity of any weak station during the day.

The antenna is designed to work with everything from portable radios without antenna connectors to home stereos with wire antenna terminals. The weather resistant antenna element, is capable of picking up a clean signal, some distance from your radio and help override some of the static. It has directional characteristics, by rotating the antenna element in a window or outside you can improve the signal strength.

Patch cords, antenna, tuner, ferrite stick, mounting hardware and AC Adapter are included.

Runs on included AC Adapter or 9V battery (not included).

Pat. #US 6,529,169 B2

Tuner Size: 3.25” W x 4.3” H x 1.4” D. Weight: 4.5 oz. (72.5 inch patch cord included). **Antenna Element Size:** 8.6” W x 2.5” H x 1.5” D. Weight: 8.5 oz. (75.5 inch patch cord included).

Item # TWIN Antenna **$119.99**
Item # T25 25’ Cable **$19.99**

AM Tip: If a station is a 500-watt station across the country, no amount of reception tips will help you receive this signal. If the station streams on the Internet, you may be able to access the station with the Mondo Elite (Page 11). You could also get an Amazon Echo and pair it with our new Bluetooth enabled CCRadio 3 and get the best access of both worlds. You can call us or email questions to: *CustomerService@ccrane.com.*

⚠ **WARNING:** Cancer and Reproductive Harm. www.P65Warnings.ca.gov

CC BUDS™ PRO

The CC Buds Pro are designed to help you hear the spoken word – whether you're listening to storytelling, news radio, podcasts or audiobooks. The majority of high-quality earbuds are built for music and have enhanced bass response. This makes words more difficult to hear. Our CC Buds Pro have high quality materials but are designed for voice clarity. They have accurate bass that's similar to studio monitor type bass, which is precise, but not booming.

Six different earbud covers are provided for custom comfort and a carry pouch. Included are three sets of small, medium and large covers in comfortably soft silicone and compressible foam*. The foam covers provide enhanced bass and noise isolation. 1/8" (3.5mm) stereo plug for anything with a headphone jack. 4' cord with strain relief.

Earbud Covers Included

Item # CCBUDSPRO $19.99
(Buy 2) and get one free.
Item # CCBUDSMIC (With Mic and inline volume control) **$19.99**
(Buy 2) and get one free.

CC BUDS™ SOLO

Single Earbud Optimized For Voice

The CC Buds™ Solo single earpiece provides a unique advantage over traditional earbuds. It allows you to interact better with others while listening to radio, podcasts or audiobooks (your boss will love you). The integrated stereo to mono plug works with smartphones, radios, tablets and most other audio devices.

The Solo can give you a safety advantage when running, biking or walking because you are more likely to hear if danger approaches. **The cable is Kevlar™ reinforced for maximum durability.** It is perfect for scanner and ham radio listening. Can work well for law enforcement when greater awareness is needed.

Audio is tuned for superior voice clarity. **Included are three silicone and three compressible foam* covers - sized small, medium, large, clothing clip and carry pouch.** The small covers usually fit a small ear comfortably. 1/8" (3.5 mm) headphone plug. Cord Length 4', with strain relief.

Item # SOLO Bud **$15.99**

*Regardless of what earbuds you own, it is recommended that you replace the earbud covers annually or whenever you notice wear and tear, to prevent pieces from going inside your ear canal.

⚠ **WARNING:** Cancer and Reproductive Harm. www.P65Warnings.ca.gov

NEW

CC EARHOOKS™

Use the CC Earhooks to securely fit the C. Crane CC Buds Solo, CC Buds Pro or CC Buds Pro Mic behind your ear(s) while on the go. They are great for running, walking, hiking and working in the garden or just to keep earbuds in place while listening to your favorite audio. Made of soft silicone rubber for comfort and flexibility, CC Earhooks are designed to fit most ears. Simply insert an earbud cord into the hook portion and it is virtually one piece!

CC Earhooks come in a pair for Right and Left ears with straightforward instructions.

Item # HOOKD Earhooks **$9.99**

Over The Earphone

Listen without Blocking Out the World

The Over The Earphone speaker looks unusual but it is comfortable, durable and has good voice audio quality. We have some law enforcement and news program listeners who use it for steadfast listening where comfort is a concern, along with still being able to hear when someone talks.

1/8" (3.5mm) stereo tip plug. 5' cord. Weight: 0.8 oz. Size: 1.8" W x 2.8" H x 0.5" D.

Item # OTE Earphone **$9.99**

Voz Headphones

Best for the Money

The Voz are good-sounding headphones at an affordable price. They have proper bass response for music and they are accurate when listening to talk radio.

Adjustable headband, large ear cushions, 1/8" (3.5mm) stereo tip plug and 7' cord. Weight: 3.5 oz.

Item # VHP1 Headphone **$14.99**
(Save $3.00 ea.) when purchasing 3 or more.

RIGHT ANGLE PLUG

Small Single Earphone

Timeless

This inexpensive small earplug is built for use with a regular radio. It has a separate plastic hook that can loop over your ear for comfort.

1/8" (3.5mm) stereo tip plug. 6' cord. Weight: 0.4 oz.

Item # SCE Earphone **$3.99** (Buy 4) get one free.

⚠ **WARNING:** Cancer and Reproductive Harm. www.P65Warnings.ca.gov

ORIGINAL SOFTSPEAKER™ PILLOW SPEAKER

This Pillow Speaker has Saved a Marriage or Two ...

The SoftSpeaker is the first pillow speaker designed not just to go under your pillow. It can sit right on your pillow, closer to your ear, so only you can hear it. We started manufacturing pillow speakers over 20 years ago and realized they break more often than one would think. We took up the quest to design a better sounding, longer lasting Pillow Speaker. Our design uses a high-quality wire and a very flexible rubber protective outer cover to help improve the longevity. To stand behind this design, we offer a one-year limited warranty.

Volume Control - SoftSpeaker-2

The SoftSpeaker-2 has an in-line volume control so you don't have to reach for your radio or phone to control the volume. Both speakers offer the perfect combination of comfort, privacy and quality. Plug the speaker into the headphone jack of any radio or smart phone, put it on your pillow and enjoy some of the highest music and voice fidelity available.

U.S. Patent #D 874,441

Size: 2" Dia., 6.5' cord with 1/8" (3.5mm) stereo plug.

Removable, teddy bear soft washable cover.

Item # PS2 SoftSpeaker **$22.99**
Item # SSV SoftSpeaker-2 with Volume Control **$24.99**

⚠ **WARNING:** Cancer and Reproductive Harm. www.P65Warnings.ca.gov

LEFT SIDE

RIGHT SIDE

SOFTSPEAKER™ 3 AMPLIFIED Pillow Speaker

Listen Easier

The SoftSpeaker 3 amplifies audio from modern devices where the volume is sometimes too low such as Smartphones, iPads®, Kindles® and Chromebooks®. It can also compensate for some common hearing loss*. May also help insomnia with white noise and in some cases, tinnitus by adding background audio. Allows you to get rid of the tangle and discomfort of ear pieces and enjoy your radio shows, audio books, podcasts, late night movies and music.

It is larger and softer than our other pillow speakers for more comfort. A stereo signal is fully combined so there is no drop-out loss from the right or left channel. A neodymium magnet speaker provides superior clear audio. The tone control switch can be set for voice or music. A rotary wheel adjusts the volume control. It delivers high quality audio, up to three times louder than a non-amplified pillow speaker.

The SoftSpeaker 3 works with any device with a 1/8” (3.5 mm) stereo headphone jack or line out. Also works with dongle adapters. The automatic sleep timer can be set to 1, 4 or 8 hours and it remembers your preference to save batteries. Runs on (2) AAA batteries (not included). Battery life is about 80 hours when using the “Voice” setting; built-in battery level checker.
Note: You may need to lower the volume on your host device to eliminate distortion.

U.S. Patent #D874,441 and #D878,324 S

Size: Pillow is approximately 3” W x 4” H x 1” D. Amplifier approximately 1” W x 3” L x 3/4” D. Total cord length 6.5’ with volume control at 2 feet.

Item # PS3 SoftSpeaker 3 **$29.99**

* We do recommend you see a professional audiologist for a hearing test and recommendations.

⚠ **WARNING:** Cancer and Reproductive Harm. www.P65Warnings.ca.gov

Simple & Free Ways to Improve Your Existing WiFi Reception Before You Buy any Equipment

1. The most effective way to maximize your home WiFi coverage is to centrally locate your router in the middle of your home. Mount the router as high as possible on the 1st floor (or level that you use the internet mostly) without calling attention to the fashion police. Keep the router antenna vertical for best horizontal coverage and horizontal for best vertical coverage.

2. Avoid metal since it affects your WiFi signal in new and unusual ways. . . not next to the refrigerator but it might work good on top of it. Brick and concrete type materials block the signal and will reduce your signal coverage. Move your router away from your microwave and some cordless phones if the internet slows down when they are used.

WiFi Knowledge Base: All WiFi repeaters drop your speed because it must do twice the work. Most people will not notice the drop because there is still enough headroom for several users. If the highest speed is critical consider our Extended Long Range WiFi Bridge System or getting a new internet service installed.

Please see website for additional WiFi Systems: *ccrane.com/wifi_products*

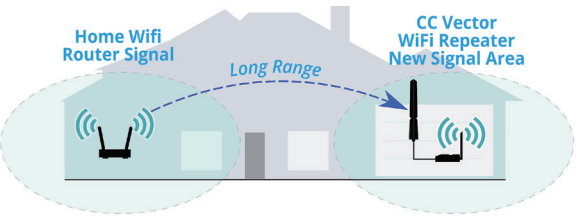
HOME SOLUTIONS

CC VECTOR Home Long Range WiFi Receiver System

Works with All Devices

How it Works: Our Super USB 3 antenna can be located so it more favorably connects to a distant WiFi signal from your router. The antenna is wired to the CC Vector which creates a new reliable WiFi signal for all types of devices. Windows®, Android™ and Apple® devices. It uses the most popular 2.4 GHz band which has the longest range. The included high-power antenna's sensitivity exceeds average WiFi "range extenders". Great for extending the range to upstairs, back rooms, garage and garden. The CC Vector is also a good choice to deliver a new signal across a street. Bob's shop is about 50' away from the router in the house and there are several walls that make the WiFi signal from a standard router unreliable. The CC Vector Home easily picked up the signal when put in a window toward the house and delivered a robust signal to all his devices in the shop. Check out our setup video: *ccrane.com/wifisetup*

Item # VEC1 $199.99



⚠ **WARNING:** Cancer and Reproductive Harm. www.P65Warnings.ca.gov

Dual Band Super USB WiFi Antenna DX

Windows compatible. Give your computer a powerful WiFi boost, good for dead zones, travel and RV.

With this new dual band antenna the typical range for 2.4 GHz is now about 30% more at 400' to 500' because of an improved chip and algorithm even through a few walls. If you are closer to your router you can switch to 5 GHz for 3X the speed and improved WiFi stability in a crowded city. The Super WiFi Antenna DX at 5 GHz has longer range than a typical laptop or desktop computer because the antenna element can be located in a more favorable position.

Plugs into a computer USB port. Software for Windows® 7-10 is included on a USB drive or download at: *ccrane.com/usbdx*. Compatible with 802.11 B, G, N and AC. Maximum tested range is about 1.5 miles with no obstructions on 2.4 band. Weather resistant - rated IP65. This antenna is not compatible with the CC Vector Repeater.

Includes 15' USB split cable, lanyard, suction cups for window, hook and loop, cable ties.

Weight: 1.8 oz. Size: 1.4" W x 10" L x 0.6" D.

Item # USBDX Antenna **$89.99**
Item # SPC 30 ft USB Cable (optional) **$19.99**

MOBILE SOLUTIONS

CC VECTOR RV Long Range WiFi Receiver System - Works with All Devices

This 8dBi antenna is heavy-duty and mounts to a pole or ladder outside your vehicle and then connects to the CC Vector repeater inside. The antenna does not require aiming and receives in all directions.

Connect to a WiFi network up to 400' away on average. In our extreme distance tests, we connected to a WiFi network a mile away (no obstructions), and the CC Vector repeats a new WiFi signal to all devices.

Item # VEC2 $249.99

⚠ **WARNING:** Cancer and Reproductive Harm. www.P65Warnings.ca.gov

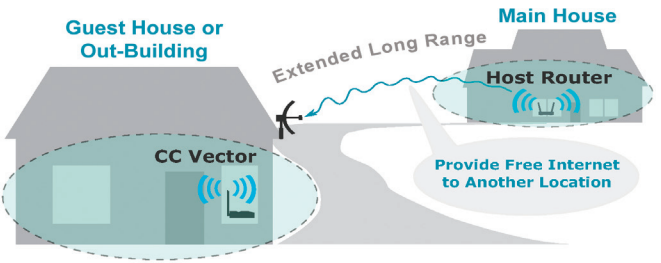
LONG RANGE SOLUTIONS

CC VECTOR Extended Long Range WiFi Receiver System - Works with All Devices

Our Parabolic WiFi Antenna connects to a distant available public WiFi signal or signal from your router. The antenna is wired to the CC Vector which creates a new WiFi signal in a dead zone. Range varies on obstructions and the signal strength of the network you're connecting to. The system works on all Windows®, Android™ and Apple® devices. The directional 15dBi parabolic antenna helps keep speeds up and reduces interference from other WiFi networks. The heavy-duty system mounts outdoors (mast not included) and then connects to the CC Vector Repeater inside. Connect to a network up to ½ mile away (max range is about 3 miles*, line of sight no obstructions).

*Line of sight, without walls, trees or other obstructions. Also depends on the strength of the WiFi router.

Item # VEC3 $299.99



CUSTOM SOLUTIONS

Looking to cover a large building or property?

We've helped many customers improve their signal, extend their range and cover long distances. Whether it's a school, hotel, office complex or rural location with multiple outbuildings, we've seen it....very popular for wireless security cameras. Our technical specialists can design a custom system to meet your needs. Call us at 1-800-522-8863 to get in touch with one of our specialists or go to our website and fill out the contact form: *www.ccrane.com/customwifi*

How it works:

1. We'll need you to perform a site survey to discuss your requirements.
2. C. Crane creates a custom solution for your application.
3. We deliver the product.

We do not currently offer installation services so you need to be comfortable and safe doing this work or find a local installer to help.

⚠ **WARNING:** Cancer and Reproductive Harm. www.P65Warnings.ca.gov

INFORMATION, POLICIES & SERVICES

Customer Service: Our U.S. based customer service is available at 800-522-8863 or by email at: *CustomerService@ccrane.com*, Monday through Friday, 8:15 am - 12:00 pm and 1:15 pm - 5:00 pm Pacific Time. Closed on Major Holidays. Contact us with any questions. For orders and catalog requests our representatives are available 24/7.

eNews Newsletter: Sign up for our eNews Newsletter and be the first to know about sales, exclusive offers and new products! We also share knowledge and insider tips.

You can subscribe at: *ccrane.com/newsletter*

Warranty Information: Our products come with a one-year limited warranty unless otherwise noted.

Privacy Policy: We do not share or rent our mail list. To view our full privacy policy visit: *ccrane.com/privacy*. Thank you for your support.

Pricing: Unless we have an unusual circumstance, like tariff's or an error, our prices and shipping costs are good through September 2021.

Repair Services: Generally, take 4-6 weeks and are completed on a first come, first serve basis. We only repair products manufactured by C. Crane. Please call so we can set up a repair order for you. Most repairs are $59.95 plus $11.95 return shipping, but charges may vary. A check for $71.90 or a credit card number must accompany the insured product. Please be sure to include current contact information including a phone number. We recommend you ship the item by a trackable method. **Please remove and keep the batteries, power cord or adapter and carry case before sending the item to us. Our repairs are warranted for one year.**

60-Day Satisfaction Guarantee: If any item fails to meet your expectations, you can return it to us within 60 days (in its original product packaging) for a full refund or credit towards another product. Please insure it. Shipping charges are non-refundable. Please call for a return authorization. A reasonable deduction may be made for any damaged or missing items.

What is a C. Crane Orphan? We sometimes have returned merchandise available at about 10% off its regular price; we call these "Orphans". Each item is carefully checked out and thoroughly cleaned. A full factory warranty and our 60-day satisfaction guarantee applies to these bargains also. These items are limited to stock on hand so call us to find out what is available or visit our website at: *ccrane.com/orphans*. New items are listed weekdays at about 4:00 pm PT and are sold on a **first come first serve basis.**

Sales Tax: Sales tax rules are changing and may affect your purchase price. As of press time, we only collect sales tax for California and Texas, however that will be changing based on a recent ruling from the Supreme Court.

Please keep your catalog.

ORDER INFORMATION

STANDARD NO RUSH SHIPPING TO CONTINENTAL U.S.
(Please provide an address that accepts postal deliveries).

$0.01	-	$25.99	$5.99
$26.00	-	$49.99	$9.99
$50.00	-	$74.99	$13.99
$75.00	-	$149.99	$16.99
$150.00	-	$248.99	$18.99
$249.00 & Up			FREE

Rare restrictions may apply.

If your package ships to an address within the United States, we will send it to you the most economical way.

GROUND AND EXPRESS SHIPPING, ALASKA, HAWAII, PRIORITY MAIL, CANADA AND OTHER INTERNATIONAL COUNTRIES:

Please call us or check: *ccrane.com* by placing an item in a Shopping Cart to **see shipping options and rates** for your location.

Canadian and International shipping charges do not include duties and taxes.

ALL ORDERS PLACED AFTER 11AM PT NORMALLY SHIP THE NEXT BUSINESS DAY (Weekends and Holidays are not considered Business Days).

SHIPPING EXCEPTIONS:
All shipping charges are non-refundable except for defective products under the 60-day satisfaction guarantee. Sorry, no COD orders.

ORDERING METHODS:

PHONE: 1-800-522-8863 (TUNE)
WEB: *ccrane.com*
FAX: 707-725-9060

MAIL: C. Crane
172 Main Street
Fortuna, CA 95540-1816

VISA / MASTERCARD / DISC / AMEX / PERSONAL CHECK / MONEY ORDER

If paying by personal check over $250, your shipment may be delayed up to two weeks, to allow time for the bank to process your check. To prevent delay, please send a cashier's check, certified check or money order.

HOURS (Pacific Time):

Phone Order Hours: 24/7 All Year
Check our Store Hours Online:
ccrane.com/visit

Customer Service, Tech and Returns:
8:15 AM – 5:00 PM, Monday - Friday
Closed 12:00 PM to 1:15 PM for Lunch

NOTE: Customer Service, Tech, Returns and Store are Closed on Major Holidays.

PUBLIC RADIO AND CORPORATE GIFT INQUIRES WELCOME
E-MAIL: *WholesaleDepartment@ccrane.com*

C.CRANE

ORDER FORM (Please Print)

Bill To: (Mailing Address) **Customer Number:** (From Back Cover)_____

Name:_____Area Code / Phone ( ) _____

Street_____Apt. No. _____

City_____State_____Zip Code _____

Email (For Order Tracking Information) _____

☐ **Add me to your Email List for Special Offers and more.**

Ship To: ☐ Same Address ☐ This is a Gift Order

Name:_____Area Code / Phone ( ) _____

Street_____Apt. No._____

City_____State_____Zip Code_____

Order Information:

Qty	Pg#	Item#	Description	Each	Total

☐ **Ship as items are available** ☐ **Ship Order Complete** Subtotal $_____

If Shipping to CA. or TX., please use your local sales tax rate. $_____

(See Page 22 for Shipping Information and Charges) $_____

Total $_____

☐ **YES,** Please send me your Annual 2022 Catalog.
We do not release your information.

Help us support people that support us. Please tell us how you heard about C. Crane.

☐ Radio Show, Host or Station:_____

☐ Web Website:_____

☐ Magazine / Other / Friend:_____

Method of Payment: ☐ Check ☐ Money Order ☐ Credit Card

Card Number:_____/_____/_____/_____Security Code:_____

Signature:_____Exp. Date:_____/_____

Mail to: C. CRANE, 172 MAIN ST, FORTUNA, CA 95540-1816
Phone: 1-800-522-8863 **Fax:** 1-707-725-9060 **Web:** *ccrane.com*
Please do not send cash.

#31

NEW RADIO!

CCRadio Solar

Please see Page 3.

1-800-522-8863
ccrane.com

Copyright C. Crane 2020

C.CRANE